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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2009; month=8; day=18; hr=14; min=10; sec=44; ms=79; ]

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Application No: 10593430

Version No: 2.0

**Input Set:****Output Set:****Started:** 2009-08-03 19:55:26.306**Finished:** 2009-08-03 19:55:30.466**Elapsed:** 0 hr(s) 0 min(s) 4 sec(s) 160 ms**Total Warnings:** 69**Total Errors:** 0**No. of SeqIDs Defined:** 69**Actual SeqID Count:** 69

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**Input Set:**

**Output Set:**

**Started:** 2009-08-03 19:55:26.306  
**Finished:** 2009-08-03 19:55:30.466  
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**No. of SeqIDs Defined:** 69  
**Actual SeqID Count:** 69

**Error code**

**Error Description**

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# SEQUENCE LISTING

<110> PARK, Yoon Jeong  
 CHUNG, Chong-Pyoung  
 LEE, Seung Jin  
 RHEE, Sang Hoon

<120> Bone Graft and Scaffolding Materials Immobilized with  
 Osteogenesis Enhancing Peptides on the Surface

<130> 4240-149

<140> 10593430  
 <141> 2006-09-19

<150> PCT/KR2005/000801  
 <151> 2005-03-18

<150> 10-2004-0019010  
 <151> 2004-03-19

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<170> PatentIn version 3.5

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<223> Partial peptide of BMP-2

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Pro

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Arg

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Gln

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Ala

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<223> Partial peptide of BMP-2

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Cys Pro Phe Pro Leu Ala Asp His Leu Asn Ser Thr Asn His Ala Ile  
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Val Gln Thr Leu Val Asn Ser Val Asn  
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<210> 8

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Met Leu Tyr Leu  
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<210> 9

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<223> Partial peptide of BMP-2

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Ser Asp Val Gly Trp Asn Asp Trp Ile Val Ala Pro Pro Gly Tyr His

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1 5 10 15

Gln Asp

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Gln Ala Lys His Lys Gln Arg Lys Arg Leu Lys Ser Ser Cys Lys Arg  
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His Pro Leu Tyr  
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<400> 11

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1 5 10 15

Met Leu Tyr Leu  
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1 5 10 15

Gln Asp Met Val Val  
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<210> 13  
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1 5 10 15

Ser Met Leu Tyr Leu  
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<210> 14  
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<220>  
<223> Partial peptide of bone sialoprotein

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Pro Lys His His Ser Gln Arg Ala Arg Lys Lys Asn Lys Asn Cys Arg  
1 5 10 15

Arg His Ser Leu Tyr  
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<210> 15  
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<400> 15

Ser Ser Ile Pro Lys Ala Cys Cys Val Pro Thr Glu Leu Ser Ala Ile  
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Ser Met Leu Tyr Leu



<210> 16

<211> 21

<212> PRT

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Ser	Met	Leu	Tyr	Leu	Asp	Glu	Tyr	Asp	Lys	Val	Val	Leu	Lys	Asn	Tyr
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Gln	Glu	Met	Val	Val
				20

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<220>

<223> Partial peptide of BMP-6

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Tyr	Val	Pro	Lys	Pro	Cys	Cys	Ala	Pro	Thr	Lys	Leu	Asn	Ala	Ile	Ser
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Val	Leu	Tyr	Phe
			20

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<211> 22

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Arg	Lys	His	Glu	Leu	Tyr
					20

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Tyr Val Pro Lys Pro Cys Cys Ala Pro Thr Lys Leu Asn Ala Ile Ser  
1 5 10 15

Val Leu Tyr Phe  
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<210> 20  
<211> 24  
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Ser Val Leu Tyr Phe Asp Asp Asn Ser Asn Val Ile Leu Lys Lys Tyr  
1 5 10 15

Arg Asn Met Val Val Arg Ala Cys  
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<210> 21  
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Thr Val Pro Lys Pro Cys Cys Ala Pro Thr Gln Leu Asn Ala Ile Ser  
1 5 10 15

Val Leu Tyr Phe  
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<210> 22  
<211> 21  
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<223> Partial peptide of BMP-7

<400> 22

Glu	Asn	Ser	Ser	Ser	Asp	Gln	Arg	Gln	Ala	Cys	Lys	Lys	His	Glu	Leu
1				5					10					15	

Tyr	Val	Ser	Phe	Arg
				20

<210> 23

<211> 20

<212> PRT

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<223> Partial peptide of BMP-7

<400> 23

Thr	Val	Pro	Lys	Pro	Cys	Cys	Ala	Pro	Thr	Gln	Leu	Asn	Ala	Ile	Ser
1				5					10					15	

Val	Leu	Tyr	Phe
			20

<210> 24

<211> 19

<212> PRT

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<220>

<223> Partial peptide of BMP-7

<400> 24

Ser	Val	Leu	Tyr	Phe	Asp	Asp	Ser	Ser	Asn	Val	Ile	Leu	Lys	Lys	Tyr
1				5					10					15	

Arg Asn Met

<210> 25

<211> 8

<212> PRT

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<220>

<223> Partial peptide of bone sialoprotein

<400> 25

Glu Glu Glu Gly Glu Glu Glu Glu  
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<210> 26

<211> 10

<212> PRT

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<223> Partial peptide of bone sialoprotein

<400> 26

Glu Glu Glu Glu Glu Glu Glu Glu Glu Glu  
1 5 10

<210> 27

<211> 18

<212> PRT

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<223> Partial peptide of bone sialoprotein

<400> 27

Tyr Glu Thr Tyr Asp Glu Asn Asn Gly Glu Pro Arg Gly Asp Thr Tyr  
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Arg Ile

<210> 28

<211> 6

<212> PRT

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<223> Partial peptide of bone sialoprotein

<400> 28

Glu Glu Gly Glu Glu Glu  
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<223> Partial peptide of bone sialoprotein

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Glu Glu Glu Glu Glu Glu Glu Glu

1 5

<210> 30

<211> 17

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<223> Partial peptide of bone sialoprotein

<400> 30

Tyr Glu Ile Tyr Glu Ser Glu Asn Gly Glu Pro Arg Gly Asp Asn Tyr

1 5 10 15

Arg

<210> 31

<211> 9

<212> PRT

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<223> Partial peptide of bone sialoprotein

<400> 31

Lys Asn Leu His Arg Arg Val Lys Ile

1 5

<210> 32

<211> 26

<212> PRT

<213> Artificial Sequence

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<223> Partial peptide of bone sialoprotein

<400> 32

Asp Ser Ser Glu Glu Asn Gly Asp Asp Ser Ser Glu Glu Glu Glu Glu

1 5 10 15

Glu Glu Glu Thr Ser Asn Glu Gly Glu Asn  
20 25

<210> 33  
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<400> 33

Asp Glu Glu Glu Glu Glu Glu Glu Gly Asn Glu Asn Glu Glu Ser  
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Glu Ala Glu Val Asp  
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<210> 34  
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<400> 34

Ser Glu Asn Gly Glu Pro Arg Gly Asp Asn Tyr  
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<210> 35  
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Thr Gly Arg Arg Gly Asp Leu Ala Thr  
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<210> 36  
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Arg Ala Leu Asp Thr Asn Tyr Cys Phe Ser Ser Thr Glu Lys Asn Cys  
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Cys Val Arg Gln Leu  
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<210> 37

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<223> Partial peptide of TGF

<400> 37

Leu Tyr Asn Gln His Asn Pro Gly Ala Ser Ala Ala Pro Cys Cys Val  
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Pro Gln Ala

<210> 38

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<212> PRT

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<223> Partial peptide of PDGF

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Cys Glu Thr Val Ala Ala Ala Arg Pro Val Thr Arg Ser Pro Gly Gly  
1 5 10 15

Ser Gln Glu Gln Arg  
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<210> 39

<211> 20

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<223> Partial peptide of PDGF

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Ala Lys Thr Pro Gln Thr Arg Val Thr Ile Arg Thr Val Arg Val Arg  
1 5 10 15

Arg Pro Pro Lys  
20

<210> 40  
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<223> Partial peptide of AFGF

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Tyr Lys Lys Pro Lys Leu Leu Tyr Cys  
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<210> 41  
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Ile Ser Lys Lys His Ala Glu Lys  
1 5

<210> 42  
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<223> Partial peptide of BFGF

<400> 42

Gly His Phe Lys Asp Pro Lys Arg Leu Tyr Cys Lys  
1 5 10

<210> 43  
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<400> 43

Pro Asp Gly Arg Val Asp  
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<210> 44

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<212> PRT

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<223> Partial peptide of BFGF

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Lys Glu Asp Gly Arg Leu Leu  
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<210> 45

<211> 6

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<223> Partial peptide of BFGF

<400> 45

Tyr Arg Ser Arg Lys Tyr  
1 5

<210> 46

<211> 21

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<220>

<223> Partial peptide of dentin sialoprotein

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Glu Asp Glu Gly Ser Gly Asp Asp Glu Asp Glu Glu Ala Gly Asn Gly  
1 5 10 15

Lys Asp Ser Ser Asn  
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<210> 47

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Partial peptide of dentin sialoprotein

<400> 47

Asp Asp Ala Asn Ser Glu Ser Asp Asn Asn Ser Ser Ser Arg Gly Asp  
1 5 10 15

Ala Ser Tyr Asn  
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<210> 48

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<223> Partial peptide of dentin sialoprotein

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Asp Ser Asp Ser Ser Asp Ser Ser Asn Ser Ser Asp Ser Ser Asp Ser  
1 5 10 15

Ser Asp Ser Asp Ser Ser Asp  
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<223> Partial peptide of heparin binding EGF like GF

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Lys Pro Gln Ala Leu Ala  
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<223> Partial peptide of heparin binding EGF like GF

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Ala Thr Pro Asn Lys Glu Glu His Gly Lys Arg Lys Lys Lys Gly Lys  
1 5 10 15

Gly Leu Gly Lys  
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<210> 51

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<223> Partial peptide of heparin binding EGF like GF

<400> 51

Lys Arg Asp Pro Cys Leu Arg Lys Tyr Lys Asp Phe Cys  
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<210> 52

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<223> Partial peptide of heparin binding EGF like GF

<400> 52

Cys Lys Tyr Val Lys Glu Leu Arg Ala Pro Ser Cys Ile Cys His Pro  
1 5 10 15

Gly Tyr His Gly  
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<210> 53

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<212> PRT

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Pro Gln Tyr Asn Tyr Gln Thr Leu Val Pro Glu Asn Glu Ala Ala Gly  
1 5 10 15

Thr Ala Val Leu Arg Val Val Ala Gln  
20 25

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<220>  
<223> Partial peptide of cadherin EGF LAG seven-pass G-type receptor3

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Asp Pro Asp Ala Gly Glu Ala Gly Arg Leu Val Tyr Ser Leu Ala Ala  
1 5 10 15

Leu Met Asn Ser Arg  
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<223> Partial sequence of cadherin EGF LAG seven-pass G-type receptor3

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Ser Leu Glu Leu Phe Ser Ile Asp Pro Gln Ser Gly Leu Ile Arg Thr  
1 5 10 15

Ala Ala Ala Leu Asp Arg Glu Ser Met Glu Arg His Tyr  
20 25

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Leu Arg Val Thr Ala Gln Asp His Gly Ser Pro Arg Leu Ser Ala Thr  
1 5 10 15

Thr Met Val Ala Val Thr Val  
20

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Glu Gln Ala Gln Tyr Arg Glu Thr Leu Arg Glu Asn Val Glu Glu Gly  
1 5 10 15

Tyr Pro Ile Leu Gln Leu Arg Ala Thr Asp Gly Asp Ala Pro Pro Asn  
20 25 30

Ala Asn Leu Arg Tyr Arg Phe Val Gly Pro Pro Ala Ala Arg Ala Ala  
35 40 45

Ala Ala Ala Ala Phe Glu Ile Asp Pro Arg Ser Gly Leu Ile Ser Thr  
50 55 60

Ser Gly Arg Val Asp Arg Glu His Met Glu Ser Tyr Glu Leu Val Val  
65 70 75 80

Glu Ala Ser Asp Gln Gly Gln Glu Pro Gly Pro Arg Ser Ala Thr Val  
85 90 95

Arg Val His Ile Thr Val Leu Asp Glu Asn Asp Asn Ala Pro Gln Phe  
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Ser Glu Lys Arg Tyr Val Ala Gln Val Arg Glu Asp Val Arg Pro His  
1 5 10 15

Thr Val Val Leu Arg Val Thr Ala Thr Asp Arg Asp Lys Asp Ala Asn  
20 25 30

Gly Leu Val His Tyr Asn Ile Ile Ser Gly Asn Ser Arg Gly His Phe  
35 40 45

Ala Ile Asp Ser Leu Thr Gly Glu Ile Gln Val Val Ala Pro Leu Asp  
50 55 60

Phe Glu Ala G